

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work-"Improvement of Concrete Roads And Drains in Doddbettahalli Colony"

Dodd Bettahalli Drains in Doddbettahalli Colony									
Sl No	Description of Items	Unit	No	Length	Estimate Cost			100.00Lakhs	
					Width	Depth	Quantity	Rate	Amount
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work . (V-I.No 1.4,Page No-5 CSR 2023-24) & (V-III Page No.5, Item No.1.1C of CSR 2023-24)								
	Basic rate	242.00							
	loading And Unloading	86.00							
	Sub Total	328.00							
	Area Weightage 10%	32.80							
	Total	360.80							
	Cum								
	Rcc Drain								
	Doddbettahalli Colony								
	6th Main Rd		1	190.00	1.50	1.20	342.00		
	1st Cross Rd		2	35.00	1.10	1.00	77.00		
	2nd Cross Rd		2	50.00	1.10	1.00	110.00		
	3rd Cross Rd		2	50.00	1.10	1.00	110.00		
	4th Cross Rd		2	50.00	1.10	1.00	110.00		
	Surrounding Area								
			2	65.00	1.10	1.00	143.00		
			2	60.00	1.10	1.00	132.00		
	5th Cross Rd		2	50.00	1.10	1.00	110.00		
	Rcc Culvert		10	7.00	1.50	1.20	126.00		
	Debris		10	14.00	2.00	0.30	84.00		
							1344.00	360.80	484915.20
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of CSR 2023-24)								
	Basic rate	5989.00							
	Area Weightage 10%	598.90							
	Total	6587.90							
	Cum								
	RCC Drain								
	Doddbettahalli Colony								
	6th Main Rd		1	190.00	1.50	0.15	42.75		
	1st Cross Rd		2	35.00	1.10	0.15	11.55		
	2nd Cross Rd		2	50.00	1.10	0.15	16.50		
	3rd Cross Rd		2	50.00	1.10	0.15	16.50		

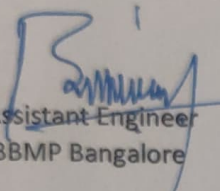
Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	4th Cross Rd		2	50.00	1.10	0.15	16.50		
	5th Cross Rd		2	50.00	1.10	0.15	16.50		
	Surrounding Area								
			2	65.00	1.10	0.15	21.45		
			2	60.00	1.10	0.15	19.80		
	Rcc Culvert		10	7.00	1.50	0.15	15.75		
							177.30	6587.90	1168034.67
3	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification.All other type of structures .(V-I, I.No 2.11 h Page No 18,CSR 2023-24)								
	Basic rate	79011.00							
	Area Weightage 10%	7901.10							
	Total	86912.10							
	Ton								
	Consider 60kg/Cum For Drain		1	312.30	60.00		18738.00		
	Consider 90kg/Cum For Drain		1	34.51	90.00		3105.90		
							21843.90		
							21.84	86912.10	1898499.22
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-1,P.No.16, I.No.2.4.2 of CSR 2023-24)& (Addendum I , V-1, P.No.111 of CSR 2023-24)								
	Basic rate	6323.00							
	Formwork 5%	316.15							
	Sub Total 1	6639.15							
	Area Weightage 10%	663.92							
	Total	7303.07							
	Cum								
	RCC Drain Raft								
	Doddbettahalli Colony								
	6th Main Rd		1	190.00	1.20	0.15	34.20		
	1st Cross Rd		2	35.00	0.90	0.15	9.45		
	2nd Cross Rd		2	50.00	0.90	0.15	13.50		
	3rd Cross Rd		2	50.00	0.90	0.15	13.50		
	4th Cross Rd		2	50.00	0.90	0.15	13.50		
	Surrounding Area								
			2	65.00	0.90	0.15	17.55		
			2	60.00	0.90	0.15	16.20		
	5th Cross Rd		2	50.00	0.90	0.15	13.50		
	RCC Drain Wall								
	6th Main Rd		2	190.00	0.15	0.90	51.30		
	1st Cross Rd		4	35.00	0.15	0.60	12.60		
	2nd Cross Rd		4	50.00	0.15	0.60	18.00		

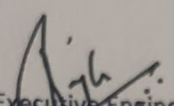
SI No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	3rd Cross Rd		4	50.00	0.15	0.60	18.00		
	4th Cross Rd		4	50.00	0.15	0.60	18.00		
	Surrounding Area								
			4	65.00	0.15	0.60	23.40		
			4	60.00	0.15	0.60	21.60		
	5th Cross Rd		4	50.00	0.15	0.60	18.00		
							312.30		
	Rcc Culvert Raft		10	7.00	1.20	0.20	16.80		
	Rcc Culvert Wall		20	7.00	0.23	0.55	17.71		
							34.51		
							346.81	7303.07	2532775.97
5	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement, with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST) Approved Rate								
	(Yelahanka zone) Data Rate	2072.00							
		Sqm							
	Precast Slab								
	Doddbettahalli Colony								
	Doddbettahalli Colony								
	6th Main Rd		1	190.00	1.20		228.00		
	1st Cross Rd		2	35.00	0.90		63.00		
	2nd Cross Rd		2	50.00	0.90		90.00		
	3rd Cross Rd		2	50.00	0.90		90.00		
	4th Cross Rd		2	50.00	0.90		90.00		
	Surrounding Area								
			2	65.00	0.90		117.00		
			2	60.00	0.90		108.00		
	5th Cross Rd		2	50.00	0.90		90.00		
							876.00	2072.00	1815072.00
6	Providing and fixing precast reinforced cement concrete covering slabs of 23Cm thick made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST) Approved Rate								
	(Yelahanka zone) Data Rate	5037.00							
		Sqm							
	For RCC Culvert		10	7.00	1.20		84.00		
							84.00	5037.00	423108.00
10	Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 100 t.km (V-III Page No.5, Item No.1.4C of CSR 2023-24)								
	Basic rate	8.00							
	10KM Lead = 8*10	80.00							
	Area Weightage 10%	8.00							
	Total	88.00							

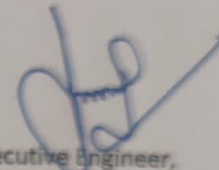
Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Qty frm Item No-1	t.Km							
			1	1344.00	1.28		1720.32		
							1720.32	88.00	151388.16
	Total Construction Cost								8473793.22
	18% GST For S.R Items								1525282.78
	Sub Total 1								9999076.00
	Utility Shifting, Miscellaneous and Rounding off								924.00
	GRAND TOTAL								10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR, Bangalore circle for year 2023-2024, Data Rates


Assistant Engineer
BBMP Bangalore


Asst. Executive Engineer
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ನಿ.ನಿ.ಎಂ.ಕೆ. ಬೆಂಗಳೂರು-106


Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Sanction for Rs. 100.00 Lakhs

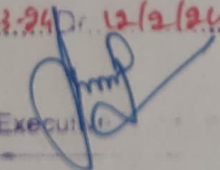
Repees One crore Only

is accorded under head

Registered as CE No. 47 Subject

to conditions contained in enclosed memo

No. BBMP/EE/YAH/O/AS/47/23-24 Dt. 12/2/24


Executive Engineer

Technical Sanction
Accorded For 100.00 Lakhs
Head of A/C P-1878
CER NO : 109 Dt. 12/2/24